

IN THE CLAIMS:

Please cancel claims 1-28 without prejudice or disclaimer as to the subject matter contained therein.

Please add new claims 29-57 as shown below.

29. (New) A method, comprising:
receiving a request from a first domain to access a second domain; and
using a third domain to access the second domain in response to receiving the
request from the first domain.

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30. (New) The method of claim 29, wherein receiving the request further comprises
receiving a request to access a resource of the second domain.

31. (New) The method of claim 30, wherein the resource is an interface, and wherein
receiving the request further comprises receiving a request to access the interface of the
second domain to communicate with one or more external devices.

32. (New) The method of claim 29, wherein receiving the request further comprises
receiving the request to access data from a memory associated with the second domain.

33. (New) The method of claim 29, wherein using the third domain to access the
second domain comprises copying data from the second domain, providing the data to the
first domain, and providing an indication to the first domain in response to providing the
data.

34. (New) The method of claim 33, wherein providing the indication comprises
generating an interrupt in response to providing the data.

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35. (New) The method of claim 34, further comprising detecting an error in a first shared resource domain.

36. (New) The method of claim 35, further comprising allowing a first client domain to access a second client domain through a second shared resource domain in response to detecting the error in the first shared resource domain.

37. (New) The method of claim 29, further comprising using a fourth domain to manage at least a portion of the access between the first domain and the second domain.

38. (New) An apparatus, comprising:
an interface; and
a first control unit communicatively coupled to the interface, wherein the control unit is adapted to:
receive a request from a first domain for data that is storable in a resource associated with a second domain;
access the data from the resource associated with the second domain;
provide the data to the first domain; and
provide an indication to the first domain in response to providing the data.

39. (New) The apparatus of claim 38, wherein the resource associated with the second domain comprises a memory associated with the second domain.

40. (New) The apparatus of claim 39, wherein the control unit reads the data from the memory of the second domain and copies the data into a memory associated with the first domain.

41. (New) The apparatus of claim 38, wherein the first control unit is adapted to determine if at least one of the first domain and second domain is not responding.

42. (New) The apparatus of claim 41, wherein the first control unit is adapted to provide an indication in response to determining that at least one of the first domain and second domain is not responding.

43. (New) The apparatus of claim 38, further comprising a second control unit to allow communication between the first and second domain in response to determining the first control unit is not responding.

B | 44. (New) The apparatus of claim 38, wherein the first control unit further allows the first domain to access a resource of a second domain.

45. (New) The apparatus of claim 44, wherein the resource of the second domain is an interface, and wherein the control unit allows the first domain to access the interface to communicate with one or more external devices.

46. (New) The apparatus of claim 38, wherein the interface is adapted to receive Internet Protocol data packets.

47. (New) The apparatus of claim 46, wherein the interface is adapted to receive at least one of a transmission control packet protocol and a user datagram protocol.

48. (New) An article comprising one or more machine-readable storage media containing instructions that when executed enable a processor to:
provide a request from a first domain to a shared resource domain;
access one or more resources in a second domain based on the request; and
respond to the request from the first domain in response to accessing the one or more resources in the second domain.

49. (New) The article of claim 48, wherein the instructions when executed enable the processor to request data that is stored in a memory associated with the second domain.

50. (New) The article of claim 49, wherein the instructions when executed enable the processor to copy the requested data from the memory of the second domain and provide the copied data from the memory of the second domain to the first domain.

51. (New) The article of claim 48, wherein the instructions when executed enable the processor to access, using the shared resource domain, the one or more resources in the second domain based on the request.

52. (New) The article of claim 48, wherein the instructions when executed enable the processor to provide the request using the Internet Protocol.

53. (New) The article of claim 48, wherein the instructions when executed enable the processor to detect an error in the shared resource domain.

54. (New) The article of claim 53, wherein the instructions when executed enable the processor to switch to a second shared resource domain in response to detecting the error in the shared resource domain.

55. (New) A method, comprising:
receiving a request from a first client domain to communicate with a second client domain; and
allowing the first client domain to communicate with the second client domain through a shared resource domain.

56. (New) The method of claim 55, further comprising allowing a third client domain to communicate with at least one of the first and second client domains through the shared resource domain.

57. (New) The method of claim 55, further comprising allowing communication between at least two of the domains through the shared resource domain after determining that at least one of the three domains has an error.